

Committees on Armed Services of the Senate and the House of Representatives a report on the assessment conducted under subsection (a).

(c) **PRIVATIZED MILITARY HOUSING DEFINED.**—In this section, the term “privatized military housing” means military housing provided under subchapter IV of chapter 169 of title 10, United States Code.

SA 4383. Mr. WARNER submitted an amendment intended to be proposed to amendment SA 3867 submitted by Mr. REED and intended to be proposed to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle A of title VIII, add the following:

SEC. 807. DEPARTMENT OF DEFENSE NATIONAL IMPERATIVE FOR INDUSTRIAL SKILLS PROGRAM.

(a) **AUTHORITY.**—

(1) **IN GENERAL.**—The Secretary of Defense shall carry out and accelerate the Department of Defense National Imperative for Industrial Skills Program within the Industrial Base Analysis and Sustainment (IBAS) Office to evaluate and further develop workforce development training programs for training the skilled industrial workers needed in the defense industrial base.

(2) **PRIORITIES.**—In carrying out the program, the Secretary shall prioritize—

(A) innovative training programs that can rapidly train skilled workers for placement in the defense industrial base faster than traditional training programs and at the scale needed to measurably reduce, as rapidly as possible, the manpower shortages that currently exist; and

(B) training programs that can address the specific manufacturing requirements and skills that are unique to critical industrial sectors of the defense industrial base, such as naval shipbuilding.

(b) **FUNDING.**—

(1) **IN GENERAL.**—The amount authorized to be appropriated for the Department of Defense for fiscal year 2022 for Research, Development, Test, and Evaluation, Defense-wide and available for Industrial Base Analysis and Sustainment Support is increased by \$10,000,000, with the amount of such increase to be available for pilot projects carried out pursuant to subsection (a).

(2) **OFFSET.**—The amount authorized to be appropriated for the Department of Defense for fiscal year 2022 for Other Procurement, Navy and available for LCS MCM Mission Modules is reduced by \$10,000,000.

SA 4384. Mr. VAN HOLLEN submitted an amendment intended to be proposed by him to the bill H.R. 4350, to authorize appropriations for fiscal year 2022 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes; which was ordered to lie on the table; as follows:

At the end of subtitle E of title III, add the following:

SEC. 376. PILOT PROGRAM FOR TACTICAL VEHICLE SAFETY DATA COLLECTION.

(a) **IN GENERAL.**—Not later than one year after the date of the enactment of this Act,

the Secretary of the Army and the Secretary of the Navy shall jointly carry out a pilot program to evaluate the feasibility of using data recorders to monitor, assess, and improve the readiness and safety of the operation of military tactical vehicles.

(b) **PURPOSES.**—The purposes of the pilot program are—

(1) to allow for the automated identification of hazards and potential hazards on and off military installations;

(2) to mitigate and increase awareness of hazards and potential hazards on and off military installations;

(3) to identify near-miss accidents;

(4) to create a standardized record source for accident investigations;

(5) to assess individual driver proficiency, risk, and readiness;

(6) to increase consistency in the implementation of military installation and unit-level range safety programs across military installations and units;

(7) to evaluate the feasibility of incorporating metrics generated from data recorders into the safety reporting systems and to the Defense Readiness Reporting System as a measure of assessing safety risks, mitigations, and readiness;

(8) to determine the costs and benefits of retrofitting data recorders on legacy platforms and including data recorders as a requirement in acquisition of military tactical vehicles; and

(9) any other matters as determined by the Secretary concerned.

(c) **REQUIREMENTS.**—In carrying out the pilot program, the Secretary of the Army and the Secretary of the Navy shall—

(1) assess the feasibility of using commercial technology, such as smartphones or technologies used by insurance companies, as a data recorder;

(2) test and evaluate a minimum of two data recorders that meet the pilot program requirements;

(3) select a data recorder capable of collecting and exporting the telemetry data, event data, and driver identification during operation and accidents;

(4) install and maintain a data recorder on a sufficient number of each of the military tactical vehicles listed under subsection (f) at installations selected by the Secretary concerned under subsection (e) for statistically significant results;

(5) establish and maintain a database that contains telemetry data, driver data, and event data captured by the data recorder;

(6) regularly generate for each installation selected under subsection (e) a dataset that is viewable in widely available mapping software of hazards and potential hazards based on telemetry data and event data captured by the data recorders;

(7) generate actionable data sets and statistics on individual, vehicle, and military installation;

(8) require commanders at the installations selected under subsection (e) to incorporate the actionable data sets and statistics into the installation range safety program;

(9) require unit commanders at the installations selected under subsection (e) to incorporate the actionable data sets and statistics into the unit driver safety program;

(10) evaluate the feasibility of integrating data sets and statistics to improve driver certification and licensing based on data recorded and generated by the data recorders;

(11) use open architecture to the maximum extent practicable; and

(12) carry out any other activities determined by the Secretary as necessary to meet the purposes under subsection (b).

(d) **IMPLEMENTATION PLAN.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army and the

Secretary of the Navy shall develop a plan for implementing the pilot program.

(e) **LOCATIONS.**—Each Secretary concerned shall carry out the pilot program at not fewer than one military installation in the United States selected by the Secretary concerned that meets the following conditions:

(1) Contains the necessary force structure, equipment, and maneuver training ranges to collect driver and military tactical vehicle data during training and routine operation.

(2) Represents at a minimum one of the five training ranges identified in the study by the Comptroller General of the United States titled “Army and Marine Corps Should Take Additional Actions to Mitigate and Prevent Training Accidents” that did not track unit location during the training events.

(f) **COVERED MILITARY TACTICAL VEHICLES.**—The pilot program shall cover the following military tactical vehicles:

(1) Army Strykers.

(2) Marine Corps Light Armored Vehicles.

(3) Army Medium Tactical Vehicles.

(4) Marine Corps Medium Tactical Vehicle Replacements.

(g) **METRICS.**—The Secretaries shall develop metrics to evaluate the effectiveness of the pilot program in monitoring, assessing, and improving vehicle safety, driver readiness, and mitigation of risk.

(h) **REPORTS.**—

(1) **INITIAL.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Army and the Secretary of the Navy shall jointly submit to the congressional defense committees a report on the pilot program that addresses the plan for implementing the requirements under subsection (c), including the established metrics under subsection (g).

(2) **INTERIM.**—Not later than three years after the commencement of the pilot program, the Secretary of the Army and the Secretary of the Navy shall jointly submit to the congressional defense committees a report on the status of the pilot program, including the preliminary results in carrying out the pilot program, the metrics generated during the pilot program, disaggregated by military tactical vehicle, location, and service, and the implementation plan under subsection (d).

(3) **FINAL.**—

(A) **IN GENERAL.**—Not later than 90 days after the termination of the pilot program, the Secretary of the Army and the Secretary of the Navy shall jointly submit to the congressional defense committees a report on the results of the program.

(B) **ELEMENTS.**—The report required by subparagraph (A) shall—

(i) assess the effectiveness of the pilot program in meeting the purposes under subsection (b);

(ii) include the metrics generated during the pilot program, disaggregated by military tactical vehicle, location, and service;

(iii) include the views of range personnel, unit commanders, and members of the Armed Forces involved in the pilot program on the level of effectiveness of the technology selected;

(iv) provide a cost estimate for equipping legacy military tactical vehicles with data recorders;

(v) determine the instances in which data recorders should be a requirement in the acquisition of military tactical vehicles;

(vi) recommend whether the pilot program should be expanded or made into a program of record; and

(vii) recommend any statutory, regulatory, or policy changes required to support the purposes under subsection (b).

(i) **TERMINATION.**—The authority to carry out the pilot program under subsection (a)